

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings of claims in the application:

LISTING OF CLAIMS:

1-15. (canceled)

16. (currently amended) A terahertz wave optical system characterized by having a terahertz wave generation source that generates terahertz waves, a plurality of apertures which pass a line beam coincided with an optical axis of the terahertz waves, and an optical component comprising a polymer of cycloolefin arranged on the optical axis ~~of terahertz waves generated from said terahertz generation source~~, characterized by being constructed so that a visible light source is disposed and visible light from said visible light source is superimposed on the optical axis of the terahertz waves.

17. (canceled)

18. (previously presented) The terahertz wave optical system as claimed in claim 16, wherein a frequency of the terahertz waves is 100 GHz to 10 THz

19. (currently amended) A terahertz band wave processing apparatus configured to have:

a terahertz wave generator for generating predetermined terahertz waves,

a terahertz wave detector for detecting the terahertz waves,

a first light transmission regulator for defining an optical axis ~~a light transmission path~~ between the terahertz wave generator and the terahertz wave detector and regulating the ~~optical axis~~ terahertz wave to a line beam,

a light semi-transmissive plate made of cycloolefin for transmitting terahertz waves on the optical axis between the first light transmission regulator and the terahertz wave detector and reflecting light incident at a predetermined incident angle, and

a second light transmission regulator set on the optical axis between the light semi-transmissive plate and the terahertz wave detector, characterized in that

predetermined visible light enters the light semi-transmissive plate as pilot light and is reflected by said light semi-transmissive plate and the optical axis of said reflected visible light is superimposed on the optical axis of the terahertz waves and the optical axis of said terahertz waves can be visually recognized in a simulated manner by the visible light.